

**ARIZONA GAME AND FISH DEPARTMENT
HABITAT PARTNERSHIP PROGRAM
HABITAT ENHANCEMENT AND WILDLIFE MANAGEMENT PROPOSAL**

PROJECT INFORMATION

Project Title: Water Development 795, Black Bottom Tank		Project No. 10-408
Region/GMU: Region 4 / 40A, Saucedo Mtns	HPC:	
Project Type: Muck and reseal existing potholes		
Project Description: Muck and Reseal existing potholes Wildlife Species to Benefit: Desert bighorn sheep The tank is located on the Barry M. Goldwater Range, BMGR, on area B over flight area with public access.		
Possible Funding Partners: Arizona Desert Bighorn Sheep Society, ADBSS		
Implementation Schedule: January 2011 Beginning: January 2011 Completed: March 2011	NEPA Compliance: (if applicable) Completed: Yes ___ No <u>X</u> (95%) completed Survey clearances are not needed per Luke A.F.B. official. A 30-day consultation remains to be completed. Projected Completion Date: March, 2011	

PROJECT FUNDING

SBG Funds Requested: \$12,751.80
Cost Share Funds: \$7,500.00
Total Project Costs: \$20,251.80

PARTICIPANT INFORMATION

Applicant: Dan Urquidez (please print) Telephone: 928-454-2402	Address: 9140 E. 28 th Street, Yuma
AGFD Contact and Phone No. (If applicant is not AGFD personnel)	
Coordinated with: Joe Currie	Date: 8/26/2010
Applicant's signature:	Date:

SEND COMPLETED APPLICATIONS TO:

**Game Branch
 AZ Game and Fish Dept.
 5000 W. Carefree Highway
 Phoenix, AZ 85086**

(revised 7-02-2007)

WAS PROJECT PRESENTED TO THE LOCAL HPC? YES X NO

HAS PROJECT BEEN SUBMITTED IN PREVIOUS YEARS? No IF SO WAS IT FUNDED? No

NEED STATEMENT/PROBLEM ANALYSIS:

The original tank has developed multiple leaks due to continuous exposure to climate conditions of the Sonoran desert. In years past, this pothole was the cornerstone of sheep use in the area. Historically, site visits to this tank was filled with sheep smells and sign everywhere. Currently, few sheep and little sign have been observed at this tank. I believe the decline in the sheep population and as well as sheep looking for more reliable waters has contributed to this current trend. This pothole is grouped with Holt's Hole and Thanksgiving Hole collectively as the critical sheep waterholes of the northern Saucedo Mountains. Historically, water hauling by helicopter occurred to supplement water at Black Bottom Tank. I attached a few photos of sheep observed at Black Bottom Tank. The upper and lower potholes need to be mucked out and resealed to provide more reliable water.

PROJECT OBJECTIVES:

I am confident that after mucking and resealing these two potholes, the upper tank will hold more water for many years to come. Although the lower pothole usually dries up, the lower pothole will provide accessible water through the month of June.

PROJECT STRATEGIES:

Muck and use a water pressure hose on the interior walls of the retention dams and seal the upper and lower potholes

PROJECT LOCATION

UTM NAD83 Elev Feet
12S, 332337, 3616086 1756

LAND OWNERSHIP AT PROJECT SITE (Please state specifically if PRIVATE PROPERTY and provide landowner's name): Luke A.F.B.

IF PRIVATE PROPERTY, IS THERE A STEWARDSHIP AGREEMENT BETWEEN THE LANDOWNER AND THE DEPARTMENT? N/A

HABITAT DESCRIPTION:

Upland Sonoran Desert Subdivision.

ITEMIZED USE OF FUNDS:

Purchase Thoorseal (50 lb bags)	15 X \$ 23.50 ea.	\$ 352.50
Water plug solution	5 X \$ 67.05 ea.	\$ 335.25
Acryl 60 Bonding solution (1/ Thoorseal bag)	15 X \$ 14.27 ea.	\$ 64.05
Helicopter – material transport		\$10,000
Arizona State surface water right's application fee		\$ 2,000
SBG funds totaling		\$ 12,751.80

ADBSS 20 labors for three days, and volunteer mileage Share cost \$ 7,500.

LIST COOPERATORS AND DESCRIBE POTENTIAL PARTICIPATION:

Luke A.F.B.: provide on-site archeologist, prepare and submit surface water rights application, and assist in scheduling aerial clearance for low-level helicopter access.

Arizona Desert Bighorn Sheep Society, ADBSS: 30 labors for three days and volunteer mileage

PROJECT MONITORING PLAN:

Dan Urquidez (WM, Gila Bend) will maintain the new system according to Region IV maintenance protocol. To be checked monthly during the summer season and at least once during the cool season.

PROJECT MAINTENANCE:

If water hauling is required, Region IV personnel will take the lead and insure it gets done. Minor maintenance such as removing organic matter and measuring the water level will be accomplished by district wildlife manager.

PROJECT COMPLETION REPORT TO BE FILED BY:

Dan Urquidez, GF# 475

WATER DEVELOPMENT PROJECTS (see attached worksheet):

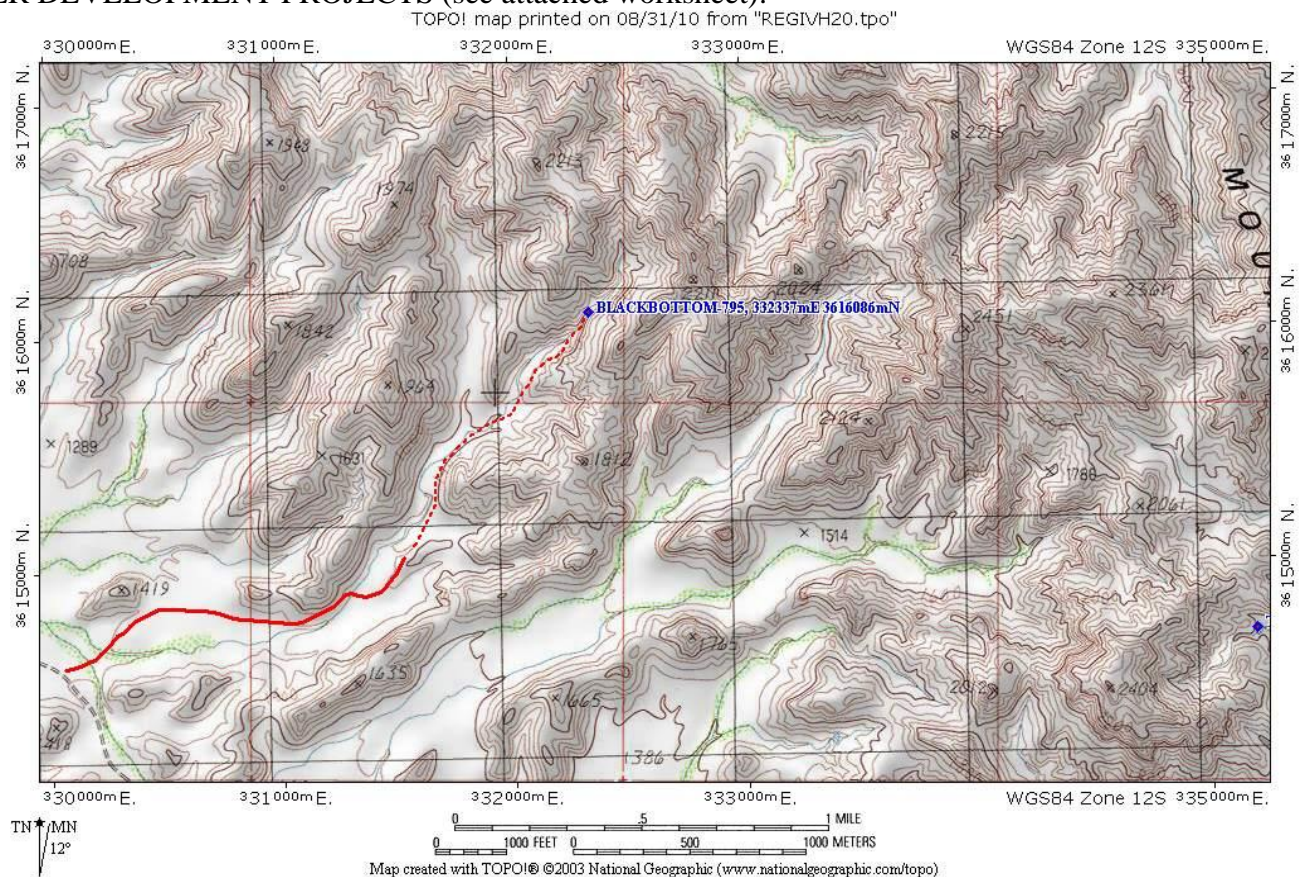


Photo illustrates the road leading to the trailhead and the hiking trail to # 795



Photo depicts the porous nature of the existing retention wall



Photo shows a ram attempting to water at #795



Photos were taken Aug 9, 2010 at #795

ARIZONA GAME AND FISH DEPARTMENT **WATER DEVELOPMENT WORKSHEET**

PROJECT NAME: 795, Black Bottom Tank,

- 1) **Is the water development listed as a priority in the most recent "Wildlife Water Development Annual Implementation Schedule?"** No.
- 2) **Please list the Development Branch personnel and date coordinated with for this project.**
Joe Currie Aug 26 & 30, 2010
- 3) **What is the estimated annual inch of precipitation for the area? (Mark one)**
 2-4 4-6 X 6-8 8-10 10-12 12-14 14-16 >16
- 4) **Is there a perennial water source available to big game within four miles of this project?**
 YES (please complete #5 below) X NO (skip #5 below)
- 5) **For the accessible, perennial water source nearest this project:**
Name of water source:
Type of water source (catchment, spring, dirt tank, etc.):
Ownership of water source:
Distance in miles from project:
- 6) **Is the target wildlife species a result of transplant efforts?** X YES NO
1993, 46 sheep were supplemented from the Kofa and Plamosa Mountains.
- 7) **Please list any special land management status for the project site (i.e. Wilderness, National Park, National Monument, etc). If private land, list landowner.**
BMGR, an active bombing range administered by Luke A.F.B. The Saucedo Mountains are located outside the ground targeting areas.
- 8) **Please provide the following information about access to the proposed site:**
Type of access (mark one): 2x4 vehicles X 4x4 only X foot only**
**If foot access only: Distance in miles: 1 mile Approx. hiking time: 1 hour

-- Does access to this site require crossing private or tribal lands? YES X NO
- 9) **Please list below (or on a separate sheet) the material type and dimensions of each component proposed to be added, modified, or repaired.**
15 bags of Thorseal, 15 gals. of Arcyl 60, and 5 gals. of water plug to reseal the interior retention walls
- 10) **Was a site visit completed?** X Yes No
If Yes, please list personnel that attended and date.
Aaron Alvidrez, Luke A.F.B. wildlife biologist and Dan Urquidez, AZGFD WM